

A Program of the U.S. Animal Health Association with administrative sponsorship of USDA-Agricultural Research Service, Southeast Poultry Research Laboratory, and College of Veterinary Medicine, The University of Georgia.

January 1997

Dear Registrant:

You are invited to attend the 4th International Symposium on Avian Influenza, May 28-31, 1997, at the Georgia Center for Continuing Education, The University of Georgia, Athens, Georgia, USA. This conference is for scientists, biologists, veterinarians, and government regulators who are interested in the exchange and discussion of current scientific information on avian influenza. Conference speakers will be international experts from universities, government research laboratories and regulatory agencies, the veterinary biologics industry, the poultry production industry and other veterinary-related organizations in North America, Europe, Asia, and Australia. The symposium will address national and international issues.

The symposium will have a keynote address during the opening banquet by the eminent Edwin Kilbourne M.D., Research Professor, Department of Microbiology and Immunology, New York Medical College, Valhalla, NY.

This program will give all who attend a broader understanding of the global nature of avian influenza and a framework to develop international solutions. It will enable professionals to exchange research data and ideas, while building ties with colleagues worldwide. Registrants will have the opportunity to submit titles for poster presentations.

We look forward to seeing you in Georgia this Spring.

Sincerely.

David E. Swayne, DVM, PhD Richard D. Slemons, DVM, PhD
Co-chairs for Fourth International Symposium on Avian Influenza

General Information

What -----

The format and the atmosphere of the symposium are designed to maximize formal and informal discussion among all participants. There will be two and one-half days of oral presentations by invited experts with interspersed question-and-answer discussion periods. In addition, individuals will have the opportunity to present posters for viewing during breaks, meals, and evenings. The symposium program will include the following subject areas:

- Pathobiology
- Virus reservoirs and ecology
- National and international control strategies
- Molecular epidemiology
- Vaccines
- Phylogenetics
- Industry emergency response plans
- Updates on recent highly pathogenic outbreaks
- Molecular basis of virulence

Who -----

The symposium is intended for.

- Scientists
- Veterinarians
- Biologists
- Government Regulations

Where -----

Events will be primarily at the Georgia Center for continuing Education, located on the campus of The University of Georgia, Athens, Georgia, USA. Additional locations include the opening reception at the Georgia Museum of Art, four blocks from the Georgia Center for Continuing Education, and a Friday evening banquet at Flinchum's Phoenix on the Oconee River. Complementary round trip transportation will be provided to Flinchum's Phoenix from the Georgia Center for Continuing Education.

The Georgia Center for Continuing Education is a full-service, residential adult learning facility on the campus of The University of Georgia. If you require special services, facilities, or dietary considerations to support your participation in a Georgia Center program, contact Joyce Fleeman at (706) 542-2101. The Georgia Center is a smoke-free environment.

The University of Georgia is an equal opportunity/affirmation action institution.

When -----

May 28-31 1997

Lodging -----

The Georgia Center conveniently combines a modern 200 bedroom full-service hotel, dining services, conference rooms, auditoriums, a library, and computer labs in one facility. All bedrooms have private baths, cable television, telephones with 24-hour long distance service, individual climate controls, and daily linen service. Some suites may be available. Indicate your lodging preference in the appropriate space on the registration form. The Georgia Center is located on South Lumpkin Street adjacent to the South Campus Parking Deck on the campus of The University of Georgia.

If number of registrants exceeds available rooms in the Georgia Center, arrangements will be made with local hotels for additional lodging.

Transportation -----

To obtain reduced rate fares, air travel can be arranged through the Symposium Travel Agency, Classic Travel, in Athens, Georgia.

All flights into Athens connect through Charlotte, N.C. Regular ground transportation is available from Atlanta's Hartsfield International Airport to the Georgia Center. A map, parking information, and further details will be provided in your confirmation packet.

Messages -----

Call (706) 548-1311. If there is a need for you to be contacted during the symposium, messages may be left at this number.

Parking -----

There is a parking deck adjacent to the Georgia Center for Continuing Education. Rates are \$1.00 per hour, or \$5.00 per 24-hour period.

Program Cancellation Policies -----

(1) Cancellation of pre-registration must be made by May 23, 1997 in order to avoid being billed a processing fee of \$50. Substitution of personnel is recommended in lieu of cancellation. Pre-registrants who fail to attend or to send a substitute are liable for the full registration fee. (2) In the event a program is canceled for any reason, the Georgia Center will not be responsible for any cancellation changes/charges assessed by airlines or travel agencies.

Athens, Georgia -----

Known as "The Classic City," Athens is situated in the rolling hills of the Georgia Piedmont, with an elevation of 600 to 800 feet above sea level. The city features a mix of antebellum mansions, historic sites, and wooded recreational areas, and is located in driving distance of metropolitan Atlanta, the beautiful North Georgia mountains, and the coastal island beaches. The average high and low temperatures for late May are 88°F (31°C) and 67°F (19°C).

Cultural events include a yearly international cycling competition, jazz and folk festivals, theatrical presentations, and many classical and popular music concerts. Downtown Athens offers many enjoyable restaurants, sidewalk cafes, and nightclubs. Visitors can shop at a variety of downtown stores as well as at many shopping centers and a suburban shopping mall.

Wednesday, May 28, 1997 _____

		9:45 - 10:10	<i>Break and Poster Viewing</i>
Evening:		10:10 - 12:00	Factors in Pathogenicity: Virulence of the Virus--Five Oral Presentations
4:00 - 6:00	Symposium Registration and Poster Set up (Georgia Center for Continuing Education)	Afternoon:	
6:00 - 8:00	<i>Opening Reception</i> (Georgia Museum of Art)	12:00 - 1:00	<i>Lunch</i>
		1:00 - 2:10	Two Oral Presentations and Discussion Period

Thursday, May 29, 1997 _____

Morning:		2:10 - 3:10	Prophylactic and Therapeutic Developments -- Three Oral Presentations
7:30 - 8:30	<i>Continental Breakfast</i> (Georgia Center for Continuing Education)	3:10 - 3:35	<i>Break and Poster Viewing</i>
		3:35 - 5:45	Six Oral Presentations and Discussion Period
8:30 - 9:00	Welcome, Introductions of Guests and Dedication	6:00 - 8:00	<i>Barbecue Banquet</i> -- Buses to Flinchum's Phoenix
9:00 - 10:30	World Status of Isolations Since 1992 -- Four Oral Presentations		

10:30 - 11:00 *Break and Poster Viewing* _____ Saturday, May 31, 1997 _____

11:00 - 12:15	Three Oral Presentations and Discussion Period	Morning:	
		7:00 - 8:00	<i>Continental Breakfast</i>
Afternoon:		8:00 - 9:55	Surveillance and Diagnostic Methods -- Five Oral Presenta- tions and Discussion Period
12:15 - 1:15	<i>Lunch</i>		
1:15 - 3:10	Avian Influenza Virus Ecology and Epidemiology -- Four Oral Presentations and Discussion Period	9:55 - 10:20	<i>Break and Poster Viewing</i>
		10:20 - 12:00	Control Philosophies -- Five Oral Presentations and Discus- sion Period
3:10 - 3:35	<i>Break and Poster Viewing</i>	12:00 - 12:15	Epilogue
3:35 - 5:00	Three Oral Presentations and Discussion Period	12:15 - 12:20	Concluding Remarks
6:00 - 9:00	<i>Opening Banquet</i> -- Georgia Center Keynote Address: E.D. Kilbourne, New York Medical College, New York	12:20	Adjournment of Fourth Interna- tional Symposium on Avian Influenza
		Afternoon:	(Organizing Committee Only)

Friday, May 30, 1997 _____

		12:20 - 1:30	<i>Lunch</i>
Morning:		1:30 - 3:30	Development of Recommendations
7:00 - 8:00	<i>Continental Breakfast</i>		
8:00 - 9:45	Pathobiology of Avian Influenza Infections -- Three Oral Presentations and Discussion Period		

Call for Abstracts

Instructions and Guidelines -----

It is very important for authors to read these instructions before typing the abstract.

General -----

Abstracts must be submitted for a poster presentation.

Abstracts will be reviewed and approved by the Program Committee and will be rejected if they do not meet the conditions for submission.

Conditions for Submission -----

- First practice typing the abstract within a rectangular area of 15 cm wide and 10 cm long on plain paper. It is essential that the typing and lay-out be strictly according to the instructions (see example on back). Single-spacing should be used for the entire communication, including the title, and name and address of author(s). Type the abstract on the enclosed *Abstract Submission Form*. Do not type outside the rectangular area.
- The abstract will be reproduced directly from the original. Abstracts will NOT be edited or retyped by the Scientific Program Committee. Abstracts must be in English only. Typing must be of high quality, Letter Gothic 12 or Times 12 point. A black carbon typewriter ribbon or a letter quality printer must be used.
- The first 2 lines of the abstract should be indented 1.5 cm. The TITLE must be in capital letters. It should be brief but informative. It should use significant words to identify the nature of the study.
- The surnames of authors should be in lower-case on a new line (single-spaced from the title) and be preceded by the initials. The presenting author's name should be underlined. This is followed by: address(es), name of institution, place and country with asterisks to identify addresses when there are more than two. Omit prefix or suffix such as Dr., Prof., Ph.D., etc.
- Leave one blank line between the authors' addresses and the text of the abstract. The abstract should clearly state (a) Objective of the study (b) Methods used (c) Results and (d) Conclusion. A statement such as "results and conclusions will be discussed" is NOT acceptable and the abstract may be rejected.
- Up to 1 simple table or figure may be included in the abstract, provided it fits within the 15 X 10 cm area and preferably does not exceed 10 lines.
- Use acronyms or abbreviations sparingly. If they are used, the first mentioned abbreviation should be spelled out in full. Use of abbreviations in the title should be avoided. Any special symbols that are not on your typewriter must be drawn in BLACK ink. Use a pen with a small nib so that the size of the symbol does not exceed that of Letter Gothic 12 character.
- Please do not fold the abstract. Use a piece of cardboard to prevent folds.

Submission of Abstracts -----

Faxed abstracts will NOT be accepted. THE DEADLINE FOR YOUR ABSTRACT TO REACH SOUTHEAST POULTRY RESEARCH LABORATORY IS **APRIL 1, 1997**. One original typed abstract with a 3 1/2" diskette copy of the abstract (WordPerfect format) should be mailed to:

D. E. Swayne
USDA, Agricultural Research Service
Southeast Poultry Research Laboratory
934 College Station Rd.
Athens, Georgia 30605 USA

ALL PRESENTERS GIVING A POSTER WILL BE REQUIRED TO **SUBMIT A 3-5 PAGE MANUSCRIPT AT THE TIME OF THE MEETING**. Following the meeting, manuscripts will be published in a bound proceedings book. Details regarding manuscript format and submission procedures will be mailed to participants that have submitted an accepted abstract.

MAINTENANCE OF MAREK'S DISEASE VIRUS LATENCY IN VITRO
BY A FACTOR FOUND IN CONDITIONED MEDIUM.

C. Buscaglia and B. Calnek, Dept. Avian and Aquatic Medicine, Cornell University, Ithaca. NY USA

Marek's disease virus (MDV) infection switches to a latent state after an initial period of cytolitic infection of lymphoid organs. In view of an apparent association between cell-mediated immunity (CMI) and the development and maintenance of latency with MDV, we investigated the possible role of lymphokines. Conditioned medium (CM) obtained from concanavalin A-stimulated chicken spleen cell cultures was the source of lymphokines. When added to the cultures of spleen cells latently infected with MDV, it consistently prevented or markedly reduced the expression of viral internal antigen(s) (VIA). This effect required the continued presence of CM, since its removal after 48 hours resulted in subsequent appearance of VIA. Although CM contains both gamma interferon (IFN) and interleukin-2, our studies suggest that the "latency maintaining factor" (LMF) may not be associated with either of these products of stimulated lymphocytes. However, IFN may also have some suppressive effect. LMF appears to have a molecular weight greater than 10,000 daltons and to be inactivated by heating to 90 C for 5 minutes.

Sample Abstract

Abstract Submission Form

Abstract Submission Form For Poster Presentation

Please read "Call for Abstracts-Instructions and Guidelines" before typing abstract.

Presenting Author

Name

Address

Telephone

Fax

E-mail

Mail this completed form and a 3 1/2" diskette copy of abstract (WordPerfect format) to:

David E. Swayne
USDA/Agricultural Research Service
Southeast Poultry Research Laboratory
934 College Station Road
Athens, Georgia 30605 USA

Abstracts must be received by April 1, 1997.

This form may be reproduced.

Symposium Organizing Committee

Co-Chairs -----

Richard D. Slemons, Assoc. Professor, Dept. of Veterinary Preventive Medicine, Ohio State University, Columbus, OH, USA.

David E. Swayne, Laboratory Director, Southeast Poultry Research Laboratory, ARS, USDA, Athens, GA, USA

Counselors -----

Charles W. Beard, Vice-President for Research and Technology, U.S. Poultry and Egg Association, Tucker, GA, USA.

B.C. Easterday, Dean and Professor Emeritus, School of Veterinary Medicine, University of Wisconsin, Madison, WI, USA

Co-Vice Chairs -----

Dennis J. Alexander, Head, Avian Virology and Director of the European Union Reference Laboratories for Newcastle Disease and Avian Influenza, Central Veterinary Laboratory (Weybridge), Addlestone, Surrey, UK

David A. Halvorson, Professor, College of Veterinary Medicine, University of Minnesota, Minneapolis, MN, USA

Program Committee -----

Robert J. Eckroade, Head, Laboratory of Avian Medicine and Pathology, University of Pennsylvania, Kennett Square, PA, USA

G. Thomas Holder, Director of Avian Health, Allens Hatchery, Seaford, DE, USA

Yoshi Kawaoka, Member, Dept. of Virology and Molecular Biology, St. Jude's Children's Research Hospital, Memphis, TN, USA

Stanley H. Kleven, Research Professor and Head, Department of Avian Medicine, University of Georgia, Athens, GA, USA

John W. McCauley, Group Leader, Division of Molecular Biology, Institute for Animal Health, Compton Laboratory, Compton, Newbury, Berkshire UK

James E. Pearson, Director, National Veterinary Services Laboratory, Veterinary Services, APHIS, USDA, Ames, IA, USA

Michael L. Perdue, Research Scientist, Southeast Poultry Research Laboratory, ARS, USDA, Athens, GA, USA

Kelly Preston, Operational Support Staff, International Services, APHIS, USDA, Riverdale, MD, USA

Christoph Scholtissek, Professor of Virology, FB Veterinary Medicine, University of Giessen, Germany

Current Sponsors -----

American Association of Avian Pathologists.

U.S. Department of Agriculture, Cooperative State Research, Education and Extension Service, National Research Initiative Competitive Grants Program

U.S. Department of Agriculture, Animal and Plant Health Inspection Service

U.S. Department of Agriculture, Agricultural Research Service

U.S. Poultry and Egg Association

Select Laboratories, Inc.

Bayer Animal Health, Inc.

Registration Information

Fees -----

Registration fees include on-site information materials, opening registration, seven meals (including two evening banquets, two luncheons, and three continental breakfasts), refreshment breaks and a copy of the proceedings. Our policy of first come, first served makes early pre-registration essential. Participation is limited to 200 individuals.

Four Ways to Register -----

Mail Fourth International Symposium on Avian Influenza -- 31762
Georgia Center for Continuing Education
The University of Georgia
Athens, Georgia 30602-3603

Fax (800) 884-1419 or
locally (706) 542-6596

E-Mail Register@gactr.uga.edu

Reference 4th International Symposium on Avian Influenza #31762. Provide information in exact order as listed on registration form.

Phone (800) 884-1381 or
locally (706) 542-2134

For more information contact -----

Symposium info:

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Registration Deadline -----

The deadline for registration at the lower pre-registration rate is April 1, 1997. Registrations postmarked after that date are subject to the full conference fee.